10336790 TROUT CREEK AT SOUTH LAKE TAHOE, CA

LOCATION.--Lat 38°55'56", long 119°58'40" referenced to North American Datum of 1927, in SE 1/4 NW 1/4 sec. 03, T.12 N., R.18 E., El Dorado County, Hydrologic Unit 16050101, on right bank, downstream side of U.S. Highway 50 bridge, 1.2 mi upstream from Lake Tahoe, and 1.4 mi southwest of South Lake Tahoe Post Office.

DRAINAGE AREA.--40.4 mi^2.

PERIOD OF RECORD.--Water years 1972-74, 1989 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Instantaneous: October 1971 to June 1974, October 1988 to September 1992. Continuous: September 1997 to September 2003, discontinued.
SUSPENDED-SEDIMENT DISCHARGE: October 1971 to June 1974, October 1988 to September 1992.

INSTRUMENTATION.--Water temperature recorder September 1997 to September 2003, two times per hour.

REMARKS.--In October 1992, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Samples were analyzed by the University of California, Davis, Tahoe Research Group. Water temperature data for September 1997 were not published but are available from the U.S. Geological Survey in Carson City, NV.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 22.0°C, July 8, 1990, August 2, 2001; minimum, freezing point on many days during winter months.
SEDIMENT CONCENTRATION: Maximum daily mean, 300 mg/L, January 15, 1974; minimum daily mean, 0 mg/L, at times in most years.
SEDIMENT LOAD: Maximum daily, 52 tons, January 15, 1974; minimum daily, 0 ton, at times in most years.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	[1]Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
08...	1100	15	--	--	--	--	54	19.0	8.4	--	.13	.003	.003
NOV													
06...	1500	E17	--	--	--	--	52	6.0	1.5	--	.10	<.003	.003
DEC													
03...	1120	16	607	11.2	100	7.6	56	9.0	1.5	.07	.11	<.003	.007
JAN													
08...	1040	E19	--	--	--	--	54	7.5	.0	--	.11	.004	.021
FEB													
06...	1150	E18	--	--	--	--	58	2.0	.0	--	.12	.007	.022
17...	1150	E19	--	--	--	--	50	6.5	.5	.19	.34	.007	.027
MAR													
04...	1120	20	605	11.2	100	7.4	58	2.5	1.1	.12	.16	.006	.019
08...	1005	19	--	--	--	--	60	7.0	1.5	.08	.17	.004	.012
15...	0915	33	--	--	--	--	61	4.5	2.5	.18	.28	.003	.024
22...	1000	46	--	--	--	--	52	9.5	3.0	.26	.35	<.003	.029
30...	1405	38	--	--	--	--	51	15.0	8.0			<.003	.019
APR													
08...	1055	44	--	--	--	--	45	11.5	4.5	--	.16	.005	.021
13...	1445	44	--	--	--	--	43	9.0	7.5	.14	.26	.003	.017
22...	1725	36	--	--	--	--	47	10.0	8.5	.16	.22	<.003	.015
27...	1105	41	--	--	--	--	43	15.5	6.5	.15	.21	.007	.017
MAY													
03...	1130	50	--	--	--	--	35	16.0	7.5	.17	.40	.004	.021
06...	1050	55	--	--	--	--	32	14.0	6.5	.13	.29	.003	.016
17...	1715	44	--	--	--	--	34	13.0	12.0	.11	.21	.006	.008
21...	1050	44	--	--	--	--	37	10.5	6.0	.11	.20	.004	.009
JUN													
03...	1335	44	610	8.2	98	7.5	34	21.5	13.0	.14	.26	.003	.008
14...	0905	37	--	--	--	--	36	12.5	8.5	.08	.17	.004	.008
JUL													
07...	1005	21	--	--	--	--	44	21.5	13.5	--	.18	.009	.005
AUG													
04...	1100	14	--	--	--	--	50	20.5	12.5	--	.20	.003	.004
SEP													
08...	1355	11	612	8.3	106	7.9	54	25.0	16.4	.08	.13	.006	.003

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)
OCT					
08...	.009	.017	.020	1	.04
NOV					
06...	.008	.013	.019	2	E.09
DEC					
03...	.007	.013	.018	2	.09
JAN					
08...	.006	.014	.018	3	E.15
FEB					
06...	.007	.018	.025	5	E.24
17...	.005	.022	.047	13	E.67
MAR					
04...	.007	.013	.026	9	.49
08...	.005	.014	.027	5	.26
15...	.006	.015	.040	10	.89
22...	.008	.017	.038	13	1.6
30...	.009	.025	.032	8	.82
APR					
08...	.007	.022	.032	7	.83
13...	.008	.017	.027	7	.83
22...	.009	.018	.025	6	.58
27...	.008	.013	.025	7	.77
MAY					
03...	.007	.014	.036	19	2.6
06...	.007	.014	.036	13	1.9
17...	.009	.016	.049	21	2.5
21...	.007	.019	.029	9	1.1
JUN					
03...	.009	.018	.044	19	2.3
14...	.009	.015	.031	13	1.3
JUL					
07...	.009	.019	.034	12	.68
AUG					
04...	.011	.021	.038	10	.38
SEP					
08...	.008	.021	.028	4	.12

Remark codes used in this table:
< -- Less than
E -- Estimated value

[1] -- Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.